

## **Abstract**

The invention concerns a method and associated hardware units for testing the functioning of downlink data communication in a mobile station (202, 802, 902). The mobile station is equipped for receiving (302, 805) a signal in the downlink direction and for sending (312, 808) a signal in the uplink direction. As a part of the method, a test signal (711, 715, 716, 805) is received in the downlink direction. The received test signal is compared (208, 713, 908) to a known form of the test signal. There is produced and temporarily stored (209, 806, 909) information about errors which were detected in the received test signal during the comparing step. In the uplink direction a signal is sent (714, 717, 808) representing the stored information about errors.

**Figure 2**

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